

**Commonwealth of Kentucky  
Natural Resources and Environmental Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**STATE ORIGIN  
AIR QUALITY PERMIT**

**Permittee Name:** Dana Corporation  
**Mailing Address:** 301 Bill Bryan Blvd.  
Hopkinsville, Kentucky 42240

**Source Name:** Dana Corporation, Parish Division  
**Mailing Address:** Same as above

**KYEIS ID #:** 27-047-00069  
**SIC Code:** 3714

**Regional Office:** Paducah Regional Office  
4500 Clarks River Road  
Paducah, KY 42003-0823  
(270) 898-8468

**County:** Christian

**Permit Number:** S-02-009  
**Log Number:** G665 (51444), 53850, 54921  
**Permit Type:** Minor Operating

**Application**  
**Complete Date:** June 12, 2000  
**Issuance Date:** January 11, 2002  
**Expiration Date:** January 11, 2012

---

**John S. Lyons, Director  
Division for Air Quality**

## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit.

This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify an affected facility without first having submitted a complete application and receiving a permit for the planned activity from the Division, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**01 ( 01 ) Alkaline spray cleaner at the S-10/Sonoma line**

**Wash tank capacity of 5000 gallon.**

**Rinse tank capacity of 5000 gallon.**

**1. Applicable Regulation:**

401KAR59:010, New process operations.

**2. Operating Limitations:**

None

**3. Emission Limitations:**

- (1) Particulate matter emissions shall not exceed 2.34 lbs/hr.
- (2) Visible emissions shall not equal or exceed 20% opacity.

**4. Testing Requirements:**

None

**5. Monitoring Requirements:**

- (a) To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount of process weight added to each emission unit. The process weight shall be determined in average hourly tons added to the emission units averaged over a one-month period. Average particulate emissions shall be calculated as follows:

**Particulate emission rate in (lbs/hr) =** [ Monthly process rate x Emission factor from KY Emission Inventory System/ (Hours of operation per month) ]

- (b) To provide reasonable assurance that the visible emission limitations are being met the permittee shall:
  - i) perform a qualitative visual observation of the opacity of emissions from each stack/vent on a weekly basis and maintain a log of the observation. The log shall note:
    - 1) whether any air emissions (except for water vapor) were visible from the vent/stack,
    - 2) all emission points from which visible emissions occurred, and
    - 3) whether the visible emissions were normal for the process.
  - ii) determine the opacity of emissions by Reference Method 9 if visible emissions from any stack/vent is perceived or believed to exceed the applicable standard.

**6. Recordkeeping Requirements:**

Dana Corporation shall retain records of the following:

Operating hours per month;

The amount of cleaner used per month; and

Opacity.

**7. Reporting Requirements: None**

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****05 (00) Hot melt dip tank (wax coating)****Process tank capacity of 7500 gallon.****Pump housing tank capacity of 7500 gallon.****1. Applicable Regulations:**

401KAR59:010, New process operations.

401KAR63:021, Existing sources emitting toxic air pollutants.

**2. Operating Limitations:**

The wax make-up rate shall not exceed 200 lbs/hr.

**3. Emission Limitations:**

- (1) Particulate matter emissions shall not exceed 2.34 lbs/hr.
- (2) Barium compound emissions shall not exceed 2.34 lbs/hr.
- (3) Calcium oxide emissions shall not exceed 2.34 lbs/hr.
- (4) Visible emissions shall not equal or exceed 20% opacity.

**4. Testing Requirements:**

None

**5. Monitoring Requirements:**

- (a) To provide reasonable assurance that the particulate matter, barium compound, and calcium oxide emission limitations are being met, the permittee shall monitor the amount of process weight added to each emission unit. The process weight shall be determined in average hourly tons added to the emission units averaged over a one-month period. Average particulate emissions shall be calculated as follows:

**Particulate emission rate in (lbs/hr)** =[The total amount of wax used per month x  
Emission factor from KY Emission Inventory System/ (Hours of operation per month)]

**Barium compounds rate in (lbs/hr)** =[ The total amount of wax used per day x  
Emission factor from KY Emission Inventory System/ (Hours of operation per day)]

**Calcium oxide rate in (lbs/hr)** =[ The total amount of wax used per day x  
Emission factor from KY Emission Inventory System/ (Hours of operation per day)]

- (b) To provide reasonable assurance that the visible emission limitations are being met the permittee shall:
  - i) perform a qualitative visual observation of the opacity of emissions from each stack/vent on a weekly basis and maintain a log of the observation. The log shall note:
    - 1) whether any air emissions (except for water vapor) were visible from the vent/stack,
    - 2) all emission points from which visible emissions occurred, and

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**5. Monitoring Requirements(continued):**

- 3) whether the visible emissions were normal for the process.
- ii) determine the opacity of emissions by Reference Method 9 if visible emissions from any stack/vent is perceived or believed to exceed the applicable standard.

**6. Recordkeeping Requirements:**

Dana Corporation shall retain records of the following:  
Operating hours per day;  
The amount of wax used per day; and  
Opacity.

**7. Reporting Requirements:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**07 (00) Alkaline spray cleaner at the electrodeposition (pretreatment)**

**Spray tank capacity of 700 gallon.**

**Dip tank capacity of 4550 gallons.**

**1. Applicable Regulations:**

401KAR59:010, New process operations.

**2. Operating Limitations:**

None

**3. Emission Limitations:**

(1) Particulate matter emissions shall not exceed 2.34 lbs/hr.

(2) Visible emissions shall not equal or exceed 20% opacity.

**4. Testing Requirements:**

None

**5. Monitoring Requirements:**

(a) To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount of process weight added to each emission unit. The process weight shall be determined in average hourly tons added to the emission units averaged over a one-month period. Average particulate emissions shall be calculated as follows:

**Particulate emission rate in (lbs/hr) =**[Monthly process rate x Emission factor from KY Emission Inventory System/ (Hours of operation per month)]

(b) To provide reasonable assurance that the visible emission limitations are being met the permittee shall:

- i) perform a qualitative visual observation of the opacity of emissions from each stack/vent on a weekly basis and maintain a log of the observation. The log shall note:
  - 1) whether any air emissions (except for water vapor) were visible from the vent/stack,
  - 2) all emission points from which visible emissions occurred, and
  - 3) whether the visible emissions were normal for the process.
- ii) determine the opacity of emissions by Reference Method 9 if visible emissions from any stack/vent is perceived or believed to exceed the applicable standard.

**6. Recordkeeping Requirements:**

Dana Corporation shall retain records of the following:

Operating hours per month;

The amount of cleaner used per month; and

Opacity.

**7. Reporting Requirements: None**

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**09 (00) Zinc dip tank at the electrodeposition (pretreatment)**  
**Tank capacity of 8060 gallons.**

**1. Applicable Regulations:**

401KAR59:010, New process operations.

**2. Operating Limitations:**

None

**3. Emission Limitations:**

- (1) Particulate matter emissions shall not exceed 2.34 lbs/hr.
- (2) Visible emissions shall not equal or exceed 20% opacity.

**4. Testing Requirements:**

None

**5. Monitoring Requirements:**

- (a) To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount of process weight added to each emission unit. The process weight shall be determined in average hourly tons added to the emission units averaged over a one-month period. Average particulate emissions shall be calculated as follows:

**Particulate emission rate in (lbs/hr) =**[The total amount of wax used per month x  
Emission factor from KY Emission Inventory System/ (Hours of operation per month)]

- (b) To provide reasonable assurance that the visible emission limitations are being met the permittee shall:
  - i) perform a qualitative visual observation of the opacity of emissions from each stack/vent on a weekly basis and maintain a log of the observation. The log shall note:
    - 1) whether any air emissions (except for water vapor) were visible from the vent/stack,
    - 2) all emission points from which visible emissions occurred, and
    - 3) whether the visible emissions were normal for the process.
  - ii) determine the opacity of emissions by Reference Method 9 if visible emissions from any stack/vent is perceived or believed to exceed the applicable standard.

**6. Recordkeeping Requirements:**

Dana Corporation shall retain records of the following:

Operating hours per month;

The amount of zinc coat used per month; and Opacity

**7. Reporting Requirements: None**

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****10 (00) Electrodeposition dip tank (paint)**  
**Tank capacity of 8200 gallons.****1. Applicable Regulations:**

401KAR59:010, New process operations.

401KAR63:021, Existing sources emitting toxic air pollutants.

**2. Operating Limitations:**

(1) The powercron resin make-up rate shall not exceed 33.8 lbs/hr.

(2) The black paste make-up rate shall not exceed 8.66 lbs/hr.

**3. Emission Limitations:**

(1) Particulate matter emissions shall not exceed 2.34 lbs/hr.

(2) Lead emissions shall not exceed 2.34 lbs/hr.

(3) Visible emissions shall not equal or exceed 20% opacity.

**4. Testing Requirements:**

None

**5. Monitoring Requirements:**

(a) To provide reasonable assurance that the particulate matter and lead emission limitations are being met, the permittee shall monitor the amount of process weight added to each emission unit. The process weight shall be determined in average hourly tons added to the emission units averaged over a one-month period. Average particulate emissions shall be calculated as follows:

**Particulate emission rate in (lbs/hr)** =[ The total amount of black paste used per month x Emission factor from KY Emission Inventory System/ (Hours of operation per month)]

**Lead hourly emission rate** =[The total amount of black paste used per day x Emission factor from KY Emission Inventory System/ (Hours of operation per day)]

(b) To provide reasonable assurance that the visible emission limitations are being met the permittee shall:

i) perform a qualitative visual observation of the opacity of emissions from each stack/vent on a weekly basis and maintain a log of the observation. The log shall note:

1) whether any air emissions (except for water vapor) were visible from the vent/stack,

2) all emission points from which visible emissions occurred, and

3) whether the visible emissions were normal for the process.

ii) determine the opacity of emissions by Reference Method 9 if visible emissions from any stack/vent is perceived or believed to exceed the applicable standard.



**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**6. Recordkeeping Requirements:**

Dana Corporation shall retain records of the following:

The total amount of powercron resin used per month;

The total amount of black paste used per day;

The total amount of flow control agent used per month;

The total amount of glycol ether used per month;

The hours of operation per day; and

Opacity

**7. Reporting Requirements:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- 12 (00) Miscellaneous structure chassis welding
- 13 (00) S-Truck frame welding station # 1
- 14 (00) S-Truck frame welding station # 2
- 15 (00) S-Truck frame welding station # 3

**1. Applicable Regulations:**

401KAR59:010, New process operations.

401KAR63:021, Existing sources emitting toxic air pollutants apply to each one of the welding stations listed above.

**2. Operating Limitations:**

- (1) The total welding wire usage rate at emission point 12 shall not exceed 76 lbs/hr.
- (2) The total welding wire usage rate at emission point 13 shall not exceed 79.1 lbs/hr.
- (3) The total welding wire usage rate at emission point 14 shall not exceed 69.9 lbs/hr.
- (4) The total welding wire usage rate at emission point 15 shall not exceed 65.7 lbs/hr.

**3. Emission Limitations:**

- (1) Particulate matter emissions from each of the welding stations listed above shall not exceed 2.34 lbs/hr.
- (2) Iron oxide emissions from each of the welding stations listed above shall not exceed 2.34 lbs/hr.
- (3) Visible emissions shall not equal or exceed 20% opacity.

**4. Testing Requirements:**

None

**5. Monitoring Requirements:**

- (a) To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount of process weight added to each emission unit. The process weight shall be determined in average hourly tons added to the emission units averaged over a one-month period. Average particulate emissions shall be calculated as follows:

**Particulate emission rate in (lbs/hr)** =[Monthly amount of weld wire used x Emission factor from KY Emission Inventory System/ (Hours of operation per month)]

**Iron oxide hourly emission rate** = Sum of  $(P_i \times E_i / H_i)$

Where,  $P_i$  = The daily usage rate of weld wire at each emission point.

$E_i$  = Emission factor listed in Kentucky emission inventory system.

$H_i$  = Hours of operation per day for each emission point.

$I$  = Corresponds to each individual emission point.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**5. Monitoring Requirements (continued):**

- (b) To provide reasonable assurance that the visible emission limitations are being met the permittee shall:
  - i) perform a qualitative visual observation of the opacity of emissions from each stack/vent on a weekly basis and maintain a log of the observation. The log shall note:
    - 1) whether any air emissions (except for water vapor) were visible from the vent/stack,
    - 2) all emission points from which visible emissions occurred, and
    - 3) whether the visible emissions were normal for the process.
  - ii) determine the opacity of emissions by Reference Method 9 if visible emissions from any stack/vent is perceived or believed to exceed the applicable standard.

**6. Recordkeeping Requirements:**

Dana Corporation shall retain records of the following:  
Operating hours per day;  
The amount of welding wire used per day; and  
Opacity.

**7. Reporting Requirements:**

None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

17	(07)	GMT 610 Weld Line
18	(07)	GMT 610 Weld Line
20	(08)	GMT 610 Weld Line
21	(09)	GMT 610 Weld Line
22	(10)	GMT 610 Weld Line
23	(11)	GMT 610 Weld Line
24	(12)	GMT 610 Weld Line

**APPLICABLE REGULATIONS:**

401 KAR 59:010, New process operations.

401 KAR 63:020, Potentially hazardous matter or toxic substances.

**1. Operating Limitations:**

None.

**2. Emission Limitations:**

- (1) Particulate matter emissions from each welding station listed above shall not exceed 2.34 lbs/hr.
- (2) Visible emissions shall not equal or exceed 20% opacity.

**3. Testing Requirements:**

- (1) Pursuant to Regulation 401 KAR 59:005, Section 2(2), the cabinet may require the permittee, at a future date, to conduct performance testing for particulate emissions as measured by Reference Methods 5.
- (2) Pursuant to Regulation 401 KAR 59:010, Section 4(5), the opacity of visible emissions shall be measured by Reference Method 9.

**4. Monitoring Requirements:**

- (1) To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount of process weight added to each emission unit. The process weight shall be determined in average hourly tons added to the emission units averaged over one month period. Average particulate emissions shall be calculated as follows:

**Particulate emission rate in (lbs/hr) =** [Monthly amount of weld wire used × Emission factor from KY Emission Inventory System / Hours of operation per month]

- (2) To provide reasonable assurance that visible emission limitations are being met, the permittee shall:
  - i) Determine the opacity of emissions during operation from each stack or vent by Reference Method 9 quarterly, or more frequently if requested by the Division.
  - ii) perform a qualitative visual observation of the opacity of emissions from each stack/vent on a weekly basis and maintain a log of the observation. The log shall note:
    - a) whether any air emissions (except for water vapor) were visible from the vent/stack.
    - b) all emission points from which visible emissions occurred, and
    - c) whether the visible emissions were normal for the process.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**4. Monitoring Requirements (continued):**

- iii) determine the opacity of emissions by Reference Method 9 if visible emissions from any stack/vent is perceived or believed to exceed the applicable standard.

**5. Recordkeeping Requirements:**

Dana Corporation shall retain records of the following:

Operating hours per day;

The amount of welding wire used per day;

Opacity observations and readings.

**6. Reporting Requirements:**

See Section C(C)(3).

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****19 (00) Hot Melt Wax Dip****Applicable Regulations:**

401 KAR 59:010, New process operations.

**1. Operating Limitations:**

None.

**2. Emission Limitations:**

Particulate matter emissions shall not exceed 2.34 lbs/hr.

**3. Testing Requirements:**

- (1) Pursuant to Regulation 401 KAR 59:005, Section 2(2), the cabinet may require the permittee, at a future date, to conduct performance testing for particulate emissions as measured by Reference Method 5.
- (2) Pursuant to Regulation 401 KAR 59:010, Section 4(5), the opacity of visible emissions shall be measured by Reference Method 9.

**4. Monitoring Requirements:**

- (1) To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount of process weight added to each emission unit. The process weight shall be determined in average hourly tons added to the emission units averaged over one month period. Average particulate emissions shall be calculated as follows:

**Particulate emissions rate in lbs/hr** = [The total amount of wax used per month × Emission factor from KY Emission Inventory System / Hours of operation per month.]

- (2) To provide reasonable assurance that visible emission limitations are being met, the permittee shall:
  - i) Determine the opacity of emissions during operation from each stack or vent by Reference Method 9 quarterly, or more frequently if requested by the Division.
  - ii) perform a qualitative visual observation of the opacity of emissions from each stack/vent on a weekly basis and maintain a log of the observation. The log shall note:
    - a) whether any air emissions (except for water vapor) were visible from the vent/stack.
    - b) all emission points from which visible emissions occurred, and
    - c) whether the visible emissions were normal for the process.
  - iii) determine the opacity of emissions by Reference Method 9 if visible emissions from any stack/vent is perceived or believed to exceed the applicable standard.

**5. Recordkeeping Requirements:**

Dana Corporation shall retain records of the following:

Operating hours per day;

The amount of wax used per day; and

Opacity observations and readings.

**6. Reporting Requirements: See Section C(C)(3).**

## SECTION C - GENERAL CONDITIONS

### A. Administrative Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]
3. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 11]
4. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 4,5]
5. This permit does not convey property rights or exclusive privileges. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
6. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:040 Section 11(3)]
7. This permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in 401 KAR 50:038, Air emissions fee. The permittee shall submit an annual emissions certification pursuant to 401 KAR 52:040, Section 20. (Note include only if subject to federal NSPS or NESHAP standards or 25 TPY in an ozone Nonattainment).

**SECTION C - GENERAL CONDITIONS (CONTINUED)****B. Recordkeeping Requirements**

1. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [401 KAR 52:040 Section 3(1)(f)]
2. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

**C. Reporting Requirements**

1. a. In accordance with the provisions of 401 KAR 50:055, Section 1 the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
- b. The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1 a) above), the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report. [Material incorporated by reference by 401 KAR 52:040, Section 5, 3].
2. The permittee shall furnish information requested by the cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the permit. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
3. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

The summary reports are due January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21. All deviations from permit requirements shall be clearly identified in the reports.



## **SECTION C - GENERAL CONDITIONS (CONTINUED)**

### **D. Inspections**

1. In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
  - d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

### **E. Emergencies/Enforcement Provisions**

1. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Material incorporated by reference by 401 KAR 52:040, Section 1a, 3].
2. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - a. An emergency occurred and the permittee can identify the cause of the emergency;
  - b. The permitted facility was at the time being properly operated;
  - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
  - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
3. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement.
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof.

**SECTION C - GENERAL CONDITIONS (CONTINUED)****F. Compliance**

1. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
  - a. Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.
  - b. All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and non-routine maintenance performed on each control device.
  - c. A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division.
2. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
  - a. Identification of the term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;
  - d. The method used for determining the compliance status for the source, currently and over the reporting period, and
  - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
  - f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality	Division for Air Quality
Paducah Regional Office	Central Files
4500 Clarks River Road	803 Schenkel Lane
Paducah, KY 42003-0823	Frankfort, KY 40601-1403
3. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
  - (a) Applicable requirements that are included and specifically identified in this permit; or
  - (b) Non-applicable requirements expressly identified in this permit.

## **SECTION C - GENERAL CONDITIONS (CONTINUED)**

### **G. Construction Requirements:**

1. Pursuant to 401 KAR 52:040, Section 12(3), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon a written request, the cabinet may extend these time periods if the source shows good cause.
2. Pursuant to 401 KAR 52:040, Section 12(4)(a) and 401 KAR 59:005, General provisions, Section 3(1), within 30 days following construction commencement, within 15 days following start-up and attainment of maximum production rate, or within 15 days following the issuance date of this permit, whichever is later, the owner and/or operator of the affected facilities specified on this permit shall furnish to the Division's Paducah Regional Office, with a copy to the Division's Frankfort Central Office, the following:
  - a. Date when construction commenced, (See General Condition G.1).
  - b. Start-up date of each of the affected facilities listed on this permit.
  - c. Date when maximum production rate was achieved, (See General Condition G.3.b).
3. Pursuant to 401 KAR 59:005, General provisions, Section 2(1), this permit shall allow time for the operation and compliance demonstration of the affected facilities listed herein. However, within 60 days after the issuance date of this permit or the date of achieving the maximum production rate at which the affected facilities will be operated, whichever is later, but no later than 180 days after initial start-up of such facilities, or the issuance date of this permit, whichever is later, the owner or operator demonstrate compliance to a duly authorized representative of the Division.
4. Operation of the affected facilities authorized by this permit shall not commence until compliance with applicable standards specified herein has been demonstrated in accordance with the requirements of 401 KAR 52:040, Section 12(4)(b). Until compliance is demonstrated, the source may only operate for the purpose of demonstrating compliance.

**SECTION D - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:040, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Metal degreaser # 1(60gal/yr)	401KAR59:010
2. Metal degreaser # 2 (60 gal/yr)	401KAR59:010
3. Fuel storage tank-gas (2000gal/yr)	None
4. Fuel storage tank-diesel (4000gal/yr)	None
5. Metal degreaser-parts washer # 1 (no solvent)	401KAR59:010
6. Metal degreaser-parts washer # 2 (no solvent)	401KAR59:010
7. Three (3) very small gas heaters (0.03-0.2 mmBTU/hr)	None
8. Two very small boilers (< 1 mmBTU/hr)	None
9. Several small air make-up units	None
10. Several small gas heaters tied to HVAC system	None
11. Two identical parts washer tanks used at the S-Truck welding line. Each tank has the capacity to hold 8000 gallons.	None
12. Two identical parts washer tanks used at the Mercedes and Saturn welding line. Each tank has the capacity to hold 1500 gallons.	None
13. Two identical parts rinse tanks used at the Mercedes and Saturn welding line. Each tank has the capacity to hold 1500 gallons.	None
14. 5 MMBTU/hr water heater at the S-10/Sonoma washer.	401KAR59:015
15. 5 MMBTU/hr water heater at the S-10/Sonoma rinse.	401KAR59:015
16. 2.5 MMBTU/hr water heater at the S-10/Sonoma zone 1.	401KAR59:015
17. 4.5 MMBTU/hr preheater at the S-10/Sonoma zone 2.	401KAR59:015
18. 2.0 MMBTU/hr post coating heater at the S-10/Sonoma zone 3.	401KAR59:015
19. 6.0 MMBTU/hr water heater at the electrodeposition line.	401KAR59:015
20. 3.0 MMBTU/hr oven at the electrodeposition line.	401KAR59:015
21. Rinse conditioner at the electrodeposition pretreatment line.	401KAR59:010
22. The seal tank at the electrodeposition pretreatment line.	401KAR59:010
23. 4.2 MMBTU/hr indirect heat exchanger for dip washer.	401KAR59:015